

WHAT IS CLAIMED IS:

Headlight device comprising in particular a light source (10), a mirror (80;90) exhibiting a reflecting surface for reflecting light signals produced by the light source (10), and a transparent optical deflection element (100) exhibiting an admission face for the reflected light signals and an exit face for the reflected light signals, the transparent optical deflection element (100) being positioned in front of the mirror (80;90), the mirror (80;90) being capable of interacting with the light source (10) in order to generate a beam bounded by a line of interruption, and the optical deflection element (100) being capable of providing a horizontal displacement of the light signals produced by the light source (10) and reflected by the mirror (80;90), without modifying the vertical distribution of the light signals, the said headlight device being characterised in that it comprises at least one detachment (81;91;101) arranged on at least one of the surfaces reached by the light signals in order to obtain a line of interruption (70;72) of the light beam that is not flat.

Headlight device according to the preceding claim, wherein at least one detachment (81; 91; 101) consists of at least one prism arranged on the transparent optical deflection element (100).

Headlight device according to the preceding claim, wherein among the prisms arranged on the optical deflection element (100), at least one lateral prism is arranged on a lateral vertical strip of the optical deflection element (100).

Headlight device according to at least one of claims 2, wherein among the prisms arranged on the optical deflection element (100) a central prism is arranged on a central vertical strip, one of the edges of this central vertical strip being combined with a vertical central axis of the optical deflection element.

Headlight device according to at least one of claims 2, wherein a base of each prism is arranged toward the top of each vertical strip on which it is arranged, an apex of each prism being arranged toward the bottom of each vertical strip on which it is arranged.

Headlight device according to at least one of claims 2 to 5, wherein each prism is arranged on the admission face of the reflected light signals of the optical deflection element (100).

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Headlight device according to at least one of the preceding claims, wherein at least one detachment (81;91;101) consists in the rotation of a vertical strip (81;82) constituting the reflecting surface of the mirror in relation to an adjacent vertical strip (83) of the mirror.

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Headlight device according to at least one of the preceding claims, wherein among the rotations effected on the surface of the mirror (80;90) there is at least one lateral rotation of a lateral vertical strip (81;82) of the mirror.

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Headlight device according to at least one of the preceding claims, wherein for the rotations effected on the surface of the mirror (80;90) there is a central rotation device arranged on a central vertical strip (83) of the mirror, one of the edges of this central vertical strip being combined with a vertical central axis (84) of the mirror.

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Headlight device according to at least one of claims 7 to 9 wherein each rotation of a vertical strip (81;82) of the mirror (80;90) is effected so that connecting surfaces appearing between the rotated vertical strips and the adjacent vertical strips are exposed to at least the light signals produced by the light source (10).

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Headlight device according to at least one of the preceding claims, wherein at least one detachment (81;91;101) consists in the replacement, by a surface of the paraboloid type, of a particular section (91) of the reflecting surface of the mirror (80;90), the said particular section corresponding to the lateral ends of a piece of the surface of the mirror resulting from the intersection of the reflecting surface of the mirror and the space defined between a first central horizontal plane of the mirror and a second plane inclined relative to the first plane.

Headlight device according to at least one of the preceding claims, wherein at least one detachment (81;91;101) consists of the replacement, by a flat surface, of a particular section (101) of the admission face for the light signals of the transparent optical deflection element (100), the said particular section (101) corresponding to the lateral 5 ends of a piece of the surface of the said admission face resulting from the intersection of the said admission face and the space defined between a first central horizontal plane of the mirror (80;90) and a second plane inclined in relation to the first plane.

Headlight device according to at least one of claims 11 or 12, wherein the inclination 10 between the first plane and the second plane is of the order of 15 degrees.

Motor vehicle equipped with a headlight device according to at least one of the preceding claims.